

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sajjad Quabili

GENERAL INFORMATION:

Name: The HON Company
Address: 931 Wing Avenue, Owensboro, Kentucky 42303
Date application received: January 19, 2006
SIC/Source description: 2521
Source ID: 21-059-00035
Source A.I. #: 964
Activity #: 20060001
Permit number: V-06-012

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☒ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☐ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	3.635	81.816
SO ₂	0.114	0.139
Nox	1.771	14.830
CO	3.205	38.164
VOC	104.452	225 (Allowable)
HAPs		
Xylene(1330-20-7)	25.211	25.403
Formaldehyde(50-00-0)	0.776	0.776
Toluene(108-88-3)	5.711	32.80
Methanol (67-56-1)	21.46	53.468
Ethyl benzene (100-41-4)	4.419	4.419
Cumene (98-82-8)	0.761	0.761

SOURCE PROCESS DESCRIPTION:

The HON Company operates a wood furniture manufacturing plant in Owensboro, Kentucky. The source applied to the Division to renew their Title V permit. Also, the source has requested an authorization to begin construction of two additional paint spray booths. Each spray booth will comprise of six applicators. The source is major for VOC and HAP emissions. VOC synthetic minor limit will remain unchanged to 225 tons per year in the renewed permit.

APPLICABLE REGULATIONS:

The HON Company is subject to the following regulations for their wood furniture manufacturing operations:

- A. 40 CFR 63 Subpart JJ, National Emission Standards for Wood Furniture Manufacturing Operations, applicable to an affected facility that is engaged, either in part or in whole, in the manufacture of wood furniture components and that is located at a plant site that is a major source as defined in 40 CFR part 63.2. Emission points EP 04, EP 05, EP 06, EP 07 and EP 08 are classified as existing source. EP 09 and EP 10 are classified as new source.
- B. 401 KAR 61:020, Existing process Operations, applicable to each affected facility or source, associated with a process operation, which is not subject to another emission standard with respect to particulate, commenced before July 2, 1975.
- C. 401KAR 50:012 Section 1(2) General Application of Administrative Regulations and Standards. In the absence of a standard specified in 401 KAR 50 to 65, administrative regulations, all major air contaminant sources shall as a minimum apply control procedures that are reasonable, available, and practical.

- D. 401 KAR 59:010, New Process Operations, applicable to each affected facility or source, associated with process operation, which is not subject to another emission standard with respect to particulate, commenced on or after July 2, 1975.
- E. Regulation 401 KAR 59:015, New indirect heat exchangers, applicable to an emission unit that has heat input capacity of more than one (1) million Btu/hr commenced on or after April 9, 1972.
- F. 40 CFR 63 Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters is applicable to waste wood fired boiler (EP 01). The compliance date for this Subpart is September 13, 2007.
- G. 40 CFR 60 Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, applies to HON's waste wood fired industrial boiler commenced after June 9, 1989 that has a maximum design heat input capacity between 10 mmBtu/hr and 100 mmBtu/hr. No records or reports are required for a wood fired industrial boiler with an input capacity less than 30 mmBtu/hr.

PERIODIC MONITORING:

The Division is requiring The HON Company to keep daily records of usage of sealers, coatings, adhesives and thinners at each of the spraying booths and to summarize those records at the end of each month. The source shall also keep records of the monthly and twelve months rolling total for VOC and HAP emissions at the plant.